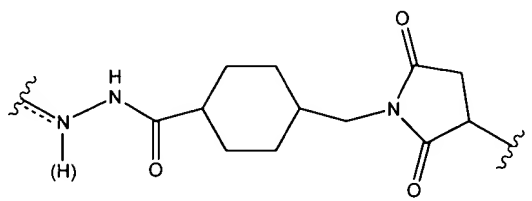


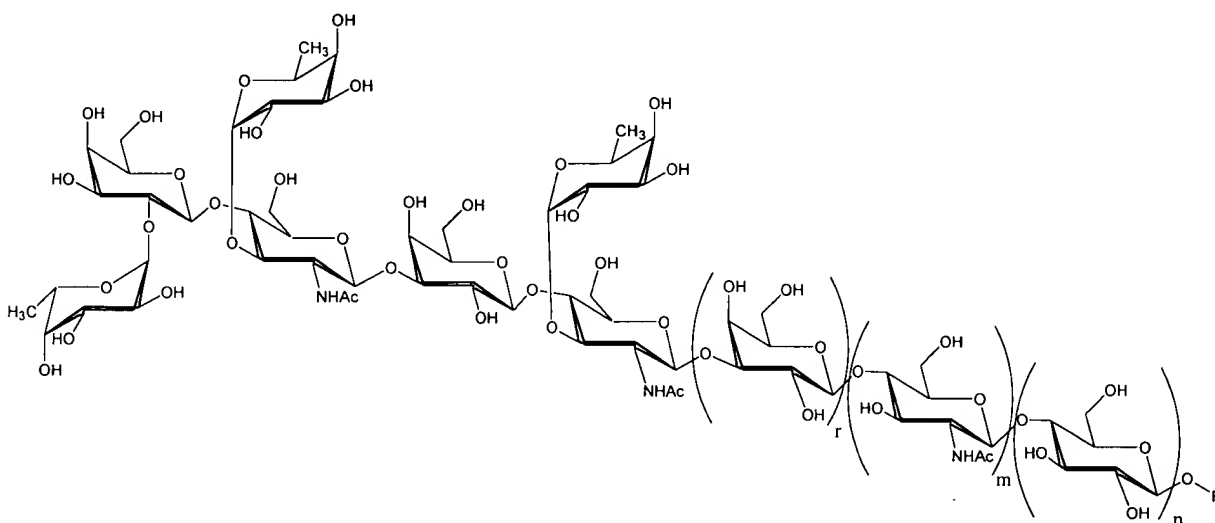
wherein the compound is bound to a suitable carrier protein or lipid, said compound being bound either directly or by a cross-linker selected from the group consisting of a succinimide and an M_2 linker having the structure:



with the proviso that when R is a ceramide moiety, the set of indices (r, m, n) is not (1, 0, 1).

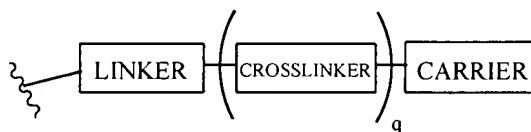
2. Please replace claims 110 and 111 with amended claims 110 and 111:

110. A compound having the structure:



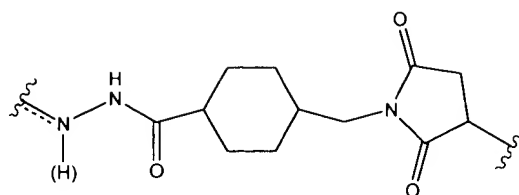
wherein r, m, and n are independently 0, 1, 2 or 3;

R is H, substituted or unsubstituted allyl, an amino acyl moiety, or a moiety having the structure:



wherein the linker is $-(CH_2)_s-CH_2-$ or $-(CH_2)_s-CH=$ where s is an integer between 0 and 8;

the crosslinker is selected from the group consisting of a succinimide and an M_2 linker having the structure:



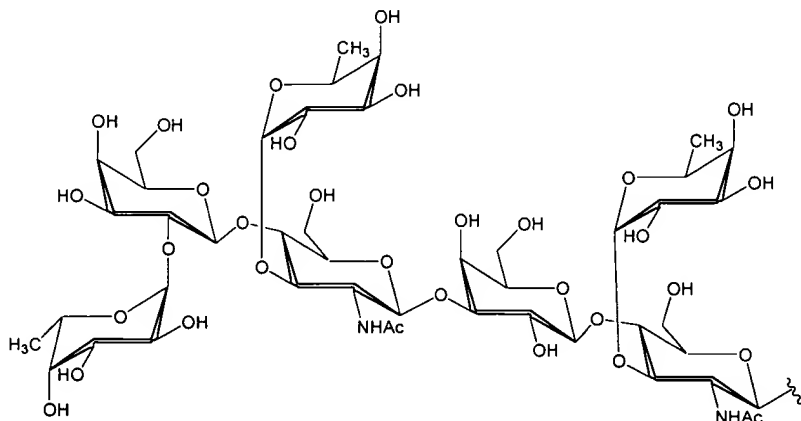
q is 0 or 1; and

the carrier is a protein, peptide or lipid, and is optionally chemically modified prior to conjugation with the linker when q is 0, or with the crosslinker when q is 1; with the proviso that when R is a ceramide moiety, the set of indices (r, m, n) is not (1, 0, 1).

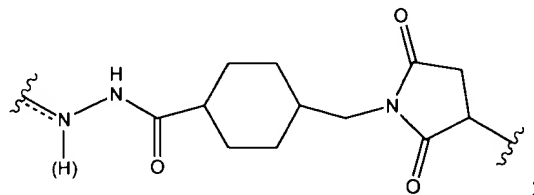
111. The compound of claim 108 or 110 wherein the protein is bovine serum albumin, polylysine, or keyhole limpet hemocyanin.

3. ***Please replace claim 114 with amended claim 114:***

114. A composition comprising a compound which contains a determinant having the structure:



wherein the compound is bound to a suitable carrier protein or lipid, said compound being bound either directly or by a cross-linker selected from the group consisting of a succinimide and an M_2 linker having the structure:

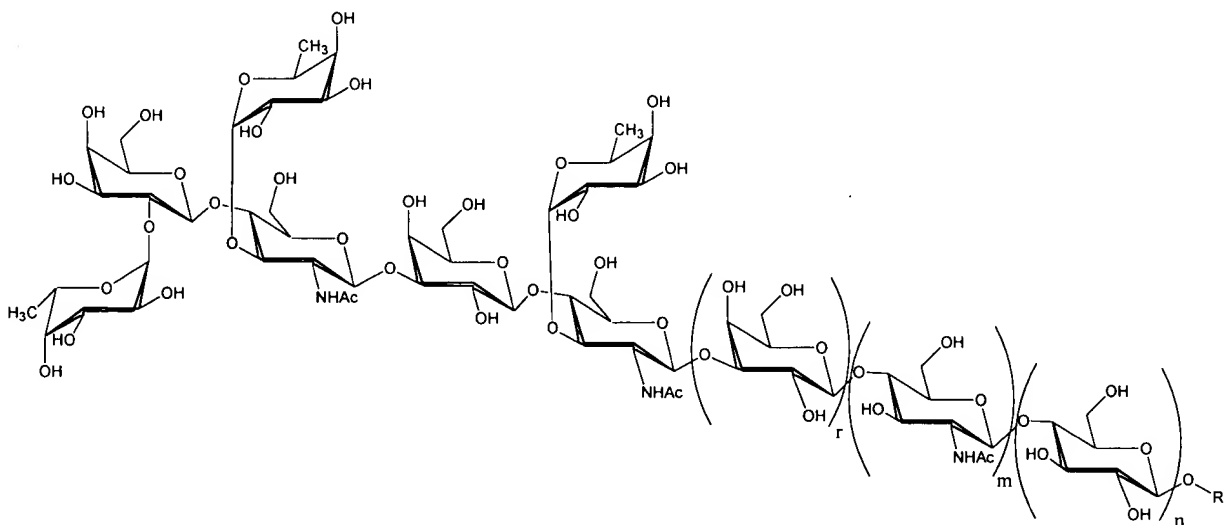


and an immunological adjuvant and/or a pharmaceutically acceptable carrier;

with the proviso that when R is a ceramide moiety, the set of indices (r, m, n) is not (1, 0, 1).

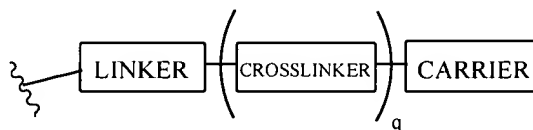
4. Please replace claims 116-118 with amended claims 116-118:

116. A composition comprising a compound having the structure:



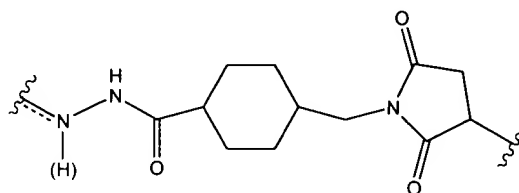
wherein r, m, and n are independently 0, 1, 2 or 3;

R is H, substituted or unsubstituted alkyl, aryl or allyl, an amino acyl moiety, or a moiety having the structure:



wherein the linker is $-(CH_2)_s-CH_2-$ or $-(CH_2)_s-CH=$ where s is an integer between 0 and 8;

the crosslinker is selected from the group consisting of a succinimide and an M_2 linker having the structure:



q is 0 or 1; and

the carrier is a protein, peptide or lipid, and is optionally chemically modified prior to conjugation with the linker when q is 0, or with the crosslinker when q is 1;

and an immunological adjuvant and/or a pharmaceutically acceptable carrier;

with the proviso that when R is a ceramide moiety, the set of indices (r, m, n) is not